

CLAIMS

1. A speaker apparatus comprising:
an amplifier for receiving an input signal;
5 a speaker unit for reproducing an output signal
supplied from said amplifier;
a microphone for detecting an acoustic output
radiated from said speaker unit; and
a feedback circuit for feeding the acoustic
10 output signal detected by said microphone back to an input
side of said amplifier,
wherein an acoustic pipe for guiding sound wave
is mounted in front of said speaker unit, and said microphone
is placed at a position where sound pressure of at least one of
15 second and higher pipe resonance of the acoustic pipe is low
enough not to cause oscillation.
2. The speaker apparatus according to claim 1,
wherein
20 said microphone is mounted at an inner space position
in the acoustic pipe via a bracket.
3. The speaker apparatus according to claim 1,
wherein

said microphone is placed at a position where sound pressure of at least one of second and third pipe resonance is low enough not to cause oscillation.

5 4. A speaker apparatus comprising:

an amplifier for receiving an input signal;

a speaker unit for reproducing an output signal supplied from said amplifier;

10 a microphone for detecting an acoustic output radiated from said speaker unit; and

a feedback circuit for feeding the acoustic output signal detected by said microphone back to an input side of said amplifier,

15 wherein, an acoustic pipe for guiding sound wave is mounted in front of said speaker unit, and said microphone is placed at a position where at least sound pressure of resonance occurring in the closed space of the acoustic pipe is low enough not to cause oscillation.

20 5. The speaker apparatus according to claim 4, wherein

said microphone is mounted at an inner space position in the acoustic pipe via a bracket.

6. A speaker apparatus comprising:

an amplifier for receiving an input signal;

a speaker unit for reproducing an output signal supplied from said amplifier;

5 a microphone for detecting an acoustic output radiated from said speaker unit; and

a feedback circuit for feeding the acoustic output signal detected by said microphone back to an input side of said amplifier,

10 wherein, an acoustic pipe for guiding sound wave is mounted in front of said speaker unit, and said microphone is placed at a position where sound pressure of at least one of second and third pipe resonance of the acoustic pipe is low enough not to cause oscillation and where at least sound
15 pressure of resonance occurring in the closed space of the acoustic pipe is low enough not to cause oscillation.

7. The speaker apparatus according to claim 6, wherein

20 said microphone is mounted at an inner space position in the acoustic pipe via a bracket.